

Converting Colors

YUV(116.1600, 37.3891,
-45.7443)

Have a look what the booklet for
YUV(116.1600, 37.3891, -45.7443)
contains.

YUV(116.1600, 37.3891, -45.7443)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**YUV(116.1600, 37.3891,
-45.7443)**

Conversions

Conversions Part 1

Format	Color
Hex	4080C0
RGB	64, 128, 192
RGB Percent	25%, 50%, 75%
CMY	0.7490, 0.4980, 0.2471
CMYK	0.67, 0.33, 0.00, 0.25
HSL	210°, 50%, 50%
HSV	210°, 67%, 75%
XYZ	19.3480, 20.3341, 52.7743
YIQ	116.1600, -58.6880, 6.3360

Conversions

Conversions Part 2

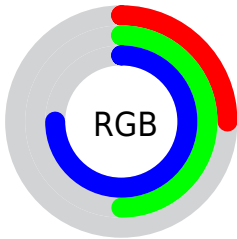
Format	Color
R _Y B	64, 107, 192
Decimal	4227264
CIE Lab	52.21, 0.11, -39.49
CIE LCh	52, 39.495, 270.154
Yxy	20.3341, 0.2093, 0.2199
Android (android.graphics.Color)	4282417344 (0xFF4080C0)
YUV	116.1600, 37.3891, -45.7443
Hunter-Lab	45.0934, -2.3254, -37.8238

Details

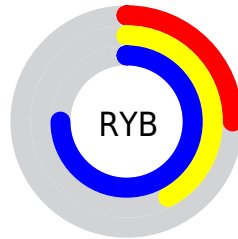
The YUV color **116.1600, 37.3891, -45.7443** is a dark color, and the websafe version is hex **336699**. The color can be described as middle muted azure. A complement of this color would be **139.8400, -37.3891, 45.7443**, and the grayscale version is **116.0000, 0.0000, 0.0000**.

A 20% lighter version of the original color is **171.7090, 38.1045, -41.8408**, and **62.1050, 37.4162, -54.4661** is the 20% darker color. If you saturate the color by 10%, you get **104.6090, 43.0838, -52.2771**, and if you desaturate by 10%, it is **127.7110, 31.6945, -39.2115**.

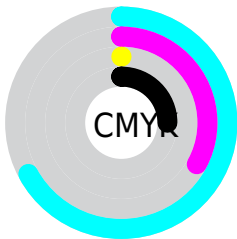
Distribution



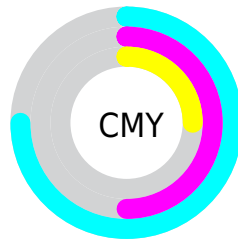
- Red (25%)
- Green (50%)
- Blue (75%)



- Red (25%)
- Yellow (42%)
- Blue (75%)



- Cyan (67%)
- Magenta (33%)
- Yellow (0%)
- Black (25%)



- Cyan (75%)
- Magenta (50%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the YUV color 116.1600, 37.3891, -45.7443 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the YUV color 116.1600, 37.3891, -45.7443 by changing the saturation by 10% instead.

■ 116.1600, 37.3891,
-45.7443

■ 116.1600, 37.3891,
-45.7443

255.0000, 0.0000,
0.0000

■ 86.7460, 38.5792,
-54.1512

■ 171.7090, 38.1045,
-41.8408

■ 62.1050, 37.4162,
-54.4661

■ 196.9130, 28.6369,
-38.5117

■ 46.2270, 32.4261,
-40.5411

■ 222.0200, 16.2591,
-35.0975

■ 31.0500, 27.5833,
-27.2308

■ 242.1430, 6.3385,
-26.4354

■ 15.5140, 23.9036,
-13.6058

■ 251.1130, 1.9163,
-7.9921

■ 6.4350, 17.0405,
-5.6435

■ 2.7530, 8.0098,

-2.4144

■ 0.0000, 0.0000,
0.0000

■ 116.1600, 37.3891,
-45.7443

■ 116.1600, 37.3891,
-45.7443

■ 104.6090, 43.0838,
-52.2771

■ 127.7110, 31.6945,
-39.2115

■ 93.6450, 48.4890,
-59.3247

■ 138.6750, 26.2892,
-32.1640

■ 81.7950, 54.3311,
-66.4722

■ 150.5250, 20.4472,
-25.0164

■ 78.2400, 56.0837,
-68.6165

■ 161.4890, 15.0419,
-17.9689

■ 173.0400, 9.3473,
-11.4361

■ 184.5910, 3.6526,
-4.9033

■ 195.5550, -1.7526,
2.1443

■ 207.4050, -7.5947,
9.2918

■ 218.3690,
-12.9999, 16.3394

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



101.2810, 40.2875, -88.8234



116.1600, 37.3891, -45.7443



126.9270, 27.6440, 0.0640

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



116.1600, 37.3891, -45.7443



125.1010, -16.3188, 54.2854



111.8860, -10.7898, -39.3650

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



116.1600, 37.3891, -45.7443



139.8400, -37.3891, 45.7443

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



118.2570, -26.7487, -7.2414



116.1600, 37.3891, -45.7443



123.2230, -28.2109, 41.9004

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



116.1600, 37.3891, -45.7443



126.3300, -0.1627, 52.3306



121.5270, -32.7978, 19.7088



97.4900, 13.0694, -85.4987

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



116.1600, 37.3891, -45.7443



128.3060, 19.5691, 23.4106



121.5270, -32.7978, 19.7088



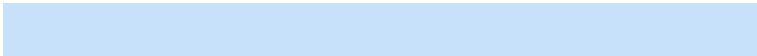
114.3560, -16.9375, -27.4992

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



116.1600, 37.3891, -45.7443



220.3750, 14.6051, -17.8689



146.4320, -9.0870, -72.2929



107.2250, 8.7631, -10.7213



252.0000, 0.0000, 0.0000



125.0000, 0.0000, 0.0000

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



116.1600, 37.3891, -45.7443



131.5000, 58.4205, -71.4755



78.5920, 55.9101, -12.7972



91.0750, 2.9210, -3.5738



65.3140, 47.1732, -57.2804



13.7410, 9.4947, -12.0509

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



109.5680, 9.0870, 72.2929



121.2000, 14.1984, 112.9576



177.4080, -55.9101, 12.7972



90.5600, 0.7099, 5.6479



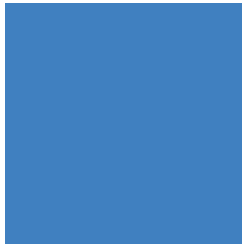
57.2590, 11.2113, 90.9809



11.8050, 2.5611, 18.5880

Previews

White Background



This preview shows how the YUV color 116.1600, 37.3891, -45.7443 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the YUV color 116.1600, 37.3891, -45.7443 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

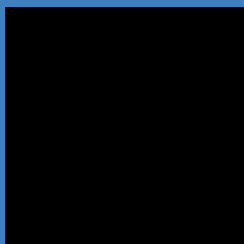
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

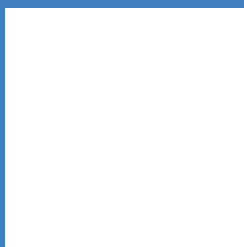
If you want to check with other color combinations, try the [Color Contrast Checker](#).

YUV 116.1600, 37.3891, -45.7443

Background



This preview shows how black text looks on a background with the YUV color 116.1600, 37.3891, -45.7443.

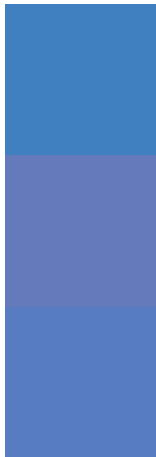


This preview shows how white text looks on a background with the YUV color 116.1600, 37.3891, -45.7443.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

116.1600, 37.3891, -45.7443

Protanopia

123.1310, 31.4874, -19.4089

Deuteranopia

121.1020, 35.4457, -29.0305



Tritanopia

108.0550, 19.6929, -63.1922

Trichromacy



Original Color

116.1600, 37.3891, -45.7443

Protanomaly

120.6460, 33.6985, -28.6305

Deuteranomaly

118.9980, 36.4830, -35.0782

Tritanomaly

111.1080, 26.0758, -57.0997

Monochromacy



Original Color

116.1600, 37.3891, -45.7443

Achromatopsia

116.0000, 0.0000, 0.0000

Achromatomaly

115.8590, 13.8735, -16.5393

CSS Examples

Text

The CSS property to change the color of the text to YUV 116.1600, 37.3891, -45.7443 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(64, 128, 192)` looks like.

```
.text, #text, p{  
    color:rgb(64, 128, 192)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(64, 128, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 128, 192) }
```

Border

The CSS property to change the border of an element to YUV 116.1600, 37.3891, -45.7443 is called "border".

The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(64, 128, 192) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(64, 128, 192) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(64, 128, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 128, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 128, 192);  
box-shadow:4px 4px 4px 4px rgb(64, 128,  
192) }
```

Background

The CSS property to change the background color of an element to YUV 116.1600, 37.3891, -45.7443 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 128, 192) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(64, 128,  
192) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor